

## CWL-D SERIES LIGHT FIXTURE

### 28V TYPE



### NOTES & PATENT INFORMATION

US Patent #7,307,391 8,115,411 8,791,650 9,179,513

Canada Patent #2,651,224 2,555,065 2,831,641

International Patents Pending

For complete and up to date patent information see our website

**NEW  
FEATURE**



The connection via terminal block allows the user complete flexibility during installation. This easy installation method allows the user to customize the wiring configuration for each application using any type of plug or connection desired. Ordered with on-board switch control, allows for individual control of the light.

### DESCRIPTION

The CWL-D series light is a wall or ceiling mounted light to be used where space is extremely tight. The light is fully enclosed and can be mounted in virtually any direction.

Mounting holes also allow for the fixture to be installed to ceiling or walls. can be daisey-chain connection, up to 12 pieces, in one run.

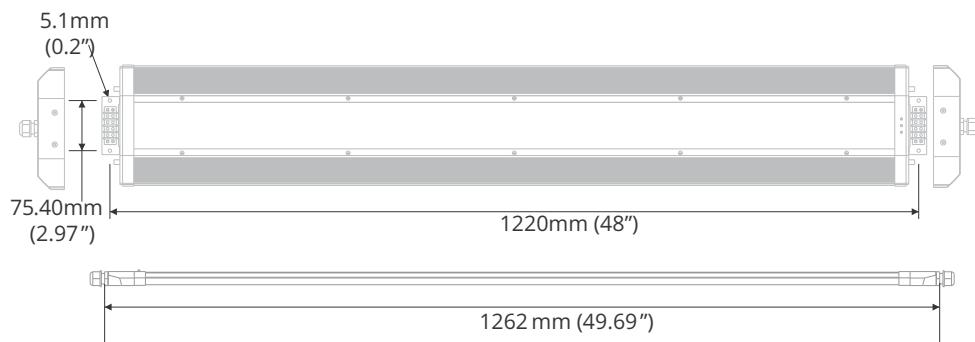
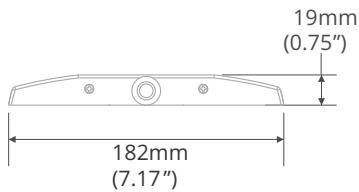
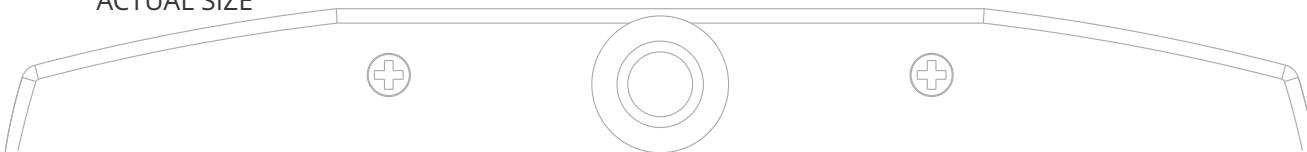
Available with optional dual color feature for covert mode.

IP65 splash proof fixture allows for installation in damp environments.

The LEDs allow the product a wide range of operating temperatures in harsh environments without affecting the light levels. LEDs maintain their light output at a near constant level when pushed to extreme temperatures.

### FEATURES

- Solid state lighting device works well in all types of environments
- Instant on, no warm up time required
- Lasts 5 times longer than fluorescent
- No mercury, No lead
- No IR, No UV
- Lumen maintenance: L80 (70%@60,000 Hours)
- EMC: MIL-STD-461G - RE101, RE102, RS013, CE101, CE102 (Land Army and Navy standards available)
- On-Board Switch Control - order with the on-board switch control feature for control of each light individually
- Colors: MAIN: 4100K (White), SECONDARY: NVIS Green A (as per MIL-STD-3009)

**DIMENSIONS**

**ACTUAL SIZE**

**ELECTRICAL STATS & OPERATING FUNCTIONS**

Type	Input Voltage (Volts DC)			Input Current (Amps)			Nominal Length	Luminous Intensity (Lumens)						Power Consumption
	MIN	TYP	MAX	MIN	TYP	MAX		5000K	4100K	3500K	BLUE	RED	GREEN	
CWL-D	20	28	32	0.06	0.07	0.10	24"						50	2
				0.09	0.11	0.15							90	3
				0.16	0.18	0.25				125				5
				0.31	0.36	0.50		1250	1179	1116				10
				0.63	0.71	1.00		2499	2359	2231				20
				0.94	1.07	1.50		3749	3538	3347				30
				0.13	0.14	0.20							100	4
				0.19	0.21	0.30	48"						180	6
				0.31	0.36	0.50				250				10
				0.63	0.71	1.00		2499	2359	2231				20
				1.25	1.43	2.00		4998	4718	4463				40
				1.88	2.14	3.00		7497	7076	6694				60

Operating Temperature: Typical 25°C (77°F)  
 Range: -40°C (-40°F) to 50°C (122°F)

Storage Temperature: -40°C (-40°F) to 60°C (140°F)

**ORDERING INFORMATION**

SERIES	REVISION	LENGTH	VOLTAGE	END1 FITTING TYPE*	END2 FITTING TYPE	EMI TYPE**	PRIMARY WATTAGE	PRIMARY COLOR	OPTIONAL DUAL COLOR	INTENSITY
CWL	Dx	XX	28	X	X	X	XX	XX	X	X
D = without switches DS = with switches	24 = 24" 48 = 48"	28 = 28VDC	2 = M12 GLAND 6 = M16 GLAND 8 = M18 GLAND S = MS3012A SOCKET	X = NO FITTING 2 = M12 GLAND 6 = M16 GLAND 8 = M18 GLAND S = MS3012A SOCKET P = MS3012A PLUG	N = NAVY, BELOW DECK A = ARMY EMI	35 = 3500K 41 = 4100K 50 = 5000K X = No White	35 = 3500K 41 = 4100K 50 = 5000K X = No White	N = No Second Color R = NVIS Red B = NVIS Blue G = NVIS Green	S = Single D = Dimmable	

Example:

CWL-DS-48-28-2X-40-41G-D = CWL-D Type, 48", w/Switches, 28VDC, M12 Gland, 40W, 4100K, NVIS Green A (Secondary), Dimmable

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